

PATENT APPLICATION
ATTORNEY DOCKET 28110/36120A

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Chadwick et al.) For: "Methods and Compositions
) Relating to CD39-Like Polypeptides and
Serial No: R. 53(b) continuation of) Nucleic Acids"
U.S.Ser. No. 09/240,639 filed January)
29, 1999) Group Art Unit: 1644
)
Filed: herewith) Examiner: A. Decloux

PRELIMINARY AMENDMENT

Box Patent Application
Commissioner for Patents
Washington, DC 20231

Sir:

In the claims:

Please cancel all claims 1-18, without prejudice, and add new claims 19-24 as follows:

19. An isolated CD39L4 polypeptide comprising the amino acid sequence of SEQ ID NO:6 or the mature protein portion thereof.

20. An isolated polypeptide having phosphohydrolase activity comprising an enzymatically active fragment of the amino sequence of SEQ ID NO: 6.

21. An isolated polypeptide having phosphohydrolase activity comprising an amino sequence that has at least about 90% sequence identity to SEQ ID NO: 6.

22. An isolated polypeptide having phosphohydrolase activity comprising an amino acid sequence encoded by a polynucleotide that hybridizes under highly stringent conditions to the nucleotide sequence of SEQ ID NO: 5 or its complement.

23. A composition comprising the polypeptide of any one of claims 19-22 and a carrier.

24. The polypeptide according to any one of claims 19-22 that comprises amino acid residues 47-68, 123-138, 167-187 or 193-214 of SEQ ID NO: 6.

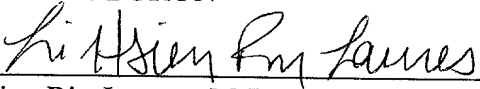
REMARKS

Support for the claims is found throughout the specification, including in the original claims. Claims 19 and 24 correspond to original claim 8; claim 23 corresponds to original claim 9. Support for the recitation of hybridization to the complement of SEQ ID NO: 5 in claim 22 and fragments (i.e., truncations) of SEQ ID NO: 6 in claim 20 is found, e.g., at page 4, lines 1-11. Support for the recitation of 90% identity in claim 21 is found, e.g., at page 16, lines 16-24 and page 37, lines 8-10. If telephonic discussions with the undersigned would expedite allowance, the Examiner is invited to contact the undersigned at the number below.

Respectfully submitted,

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